ABSTRACT OF THE DISCLOSURE

An apparatus for holding a stable condition at two positions comprising a driving magnet 130 having driving magnetic poles and adapted to be movable in two directions; a driven magnet 140 having driven magnetic poles arranged to be always repulsed by the driving magnetic poles and adapted to be movable in two directions; a motion limiting means for limiting the movement of the driven magnet; and a driving means for driving the driving magnet in two directions. A direction of the repulsion force applied to the driven magnet by the driving magnet is changed, at a stage during which the driving magnet is moved to a first moving direction by the driving means, to a second acting direction of repulsion force opposite to a first acting direction of repulsion force which has been caused until said stage; and at a stage during which the driving magnet is moved to the second moving direction opposite to the first moving direction by the driving means, to the first acting direction of repulsion force opposite to the second acting direction of repulsion force which has been caused until said stage.